Potentiometers & Trimmer Resistors

ELECTRONIC GOLDMINE

Horizontal Mount Compact Trimmer Pots

Compact single turn ceramic base trimmer resistors features plastic turn knob and horizontal PC mounting. All are linear taper. Approx size 11mm(L) x 9.0mm(W). Lead spacing is 5mm between 2 leads and 10mm to center lead.

Stock#	Value	Price
G1802	1KΩ	4/$1.00
G1803	5KΩ	4/$1.00
G1804	75KΩ	4/$1.00
G1804A	75KΩ	100/$15.00

Multiturn Trimmer Potentiometer Assortment

Assortment of 4 precision multiturn trimmer potentiometers. Various values, all 100% prime fully marked and new. Most are square thin types with 3 flexible insulated wire leads, but some packages may contain 3 lead rectangular PC board mount types. Any one of these trimmers sell for up to 10 times the price of this entire package!

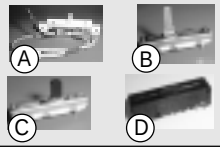
G14053 99¢/Assortment

Bourns 50K Model 3266 12 Turn Cermet Trimming Potentiometer

Tiny 12 turn trimmer by Bourns is only 7mm x 6.8mm x 4.4mm and features PC mtg. with top adjustment slot. Rated .25watt at 70˚. Low temperature coefficient of ± 100 PPM/˚C. Model 3266W 503.

G13410 $1.25 ea. • 100/$85.00 • 1000/$750.00

Slide Pots



Stock #	Value	Fig.	Price
G5220	1K	A	2/$1.00
G5992	2K	B	4/$1.00
G3279	10K	C	4/$1.00
G5131	100K	D	2/$1.00

Precision Made 1 Meg Trimmer Potentiometer

Small 3 lead linear taper trimmer potentiometer by Mepco is only 0.25" dia. x 0.20" high. Features black case with slot on top for adjustment. Mepco part # ET 14 P 105.

G14351 3/99¢

G14351A Factory Box of 100/$25.00

Spectrol 25 Turn Linear Trimmer Potentiometers

Spectrol Type 64Z 25 turn 10mm x 10mm x 5mm PC mount precision trimmer potentiometer. These have the adjustment slot on the right angle edge (as opposed to the top). Brand new prime at a blow-out price! We have 2 values each rated .5watt ± 10% tolerance.

1KΩ G13452 $1.00 ea. • 100/$75.00

10KΩ G13456 $1.00 ea. • 100/$75.00

Mini 200K Trimmer Pot

Single turn horizontal trimmer resistor features a 1/4" diameter blue adjustment knob and standard .20" lead spacing on the outer leads. Ceramic base with plastic knob.

G4049 4/$1.00

G4049A 100/$22.00

Vertical Mount Mini 10K Trimmer Resistors

These are small 10K 3 lead vertical mount trimmer resistors. They feature a lead spacing between their outer leads of 3/16" and have a smooth action white control knob. They are on tape and reel. Prime!

G8668 10/$1.00

G8668A 100/$9.00

G8668B 1000/$80.00

Multi Turn Trimmers with Indicators

Precision multi turn trimpots with special plastic indicator which moves as the shaft is turned. Features handy ridged grip shaft to allow for hand adjustment or you may use a standard screwdriver to adjust.

G983 25K Linear Taper 4/$1.00

Special Purpose 5K 10mm Horizontal Mount Single Turn Trimmer Resistor

Made by Motorola this single turn trimmer resistor is rated 5K. It is a linear taper type and has adjustable slot at top. Type RVF8P01A-502. Prime!

G15327 10/$1.00

Small Trimmer Resistors Vertical Type

Value	Stock#	Price
1K	G9040	5/$1.00
4.7K	G9042	5/$1.00
10K	G9041	5/$1.00

100K Mini Trimpot

Nicely made 100K horizontal mount linear trimpot features a slot on top for adjustment. Size about 1/4" Dia. Has 3 legs for PC board mounting.

G1418 10/$1.00

G1418A 100/$8.00

G1418B 1000/$50.00

Trimmer Resistors

Stock#	Value	Fig.	Orientation	Price
G6273	5K	C	Horizontal	8/$1.00
G5995	20K	A	Vertical	5/$1.00
G5993	1Meg	B	Vertical	5/$1.00
G5994	3Meg	B	Vertical	5/$1.00

100K Vertical Trimmer Resistor

Small 3 leg trimmer resistor features linear taper and small white knob with slot. Size about 0.44" high (excluding pins). Spacing between the centers of the outer pins is 0.18".

G14349 10/99¢

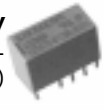
200K Vertical Trimmer Resistor

Small 3 leg trimmer resistor features linear taper and small white knob with slot. Size about 0.44" high (excluding pins). Spacing between the centers of the outer pins is 0.18".

G14347 10/99¢

Relays – 3V & 4.5V Types

Siemens V23079 B1208 3VDC Dual Coil Latching Relay



Small 0.57"L x 0.27"W x 0.37"H relay features 3VDC dual coil latching with 145Ω resistance. Contacts are gold plated 2 form C (DPDT) rated 2 amps. 10 through hole type PC leads.

G14258 $1.49 ea.

NEC VB2-4.5SNU DPDT Micro Sized Relay Single Coil Latching 4.5VDC

Tiny 0.42"L x 0.23"W x 0.297"H relay features a coil resistance of 202.5Ω and DPDT contacts rated 1 amp. This relay has 8 tiny leads bent over for SMD mounting, however, these leads can be simply bent up to allow for regular thru hole PC board mounting.

G14261 $1.29 ea.

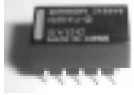
Relays – 5V Types

Omron GBC-1114P 5VDC 10 Amp Relay

Fully enclosed relay features SPST contacts rated 10Amp @ 250VAC. Coil voltage 5VDC. Size only 3/4" L x 9/16" W x 3/8" H. Brand new with solder pins.

G1619 $1.49 ea.

Omron G6HU-2 5VDC DPDT Relay



5V single coil latching low signal relay. Size .55" L x .35" W x .20" H. Rating is 1Amp at 30VDC or 1/2amp at 125VAC. Brand new–Prime!

G2011 $1.50 ea.

5VDC DPST Relay

Made by Takamisawa this relay features a completely sealed case and 5Amp 250VAC contacts. Size about 1.14" L x .5" W x 1" H. Part# 5MBU-5. Coil resistanc about 34Ω.

G12969 $1.00 ea.

Super Sensitive 5VDC Mini Reed Relay

Super sensitive reed relay features a 700Ω coil and SPST contacts. Size: 1 1/16" x 3/8" x 3/8".
G4194 $1.00 ea.

Compact CP Clare 5VDC Relay

CP Clare compact relay features 5VDC 169Ω non polarized coil, and DPDT contacts. CP Clare part# is EMS2C1505. Size .78"L x .38"W x .44"H. Completely sealed case with 8 PC pins.
G15205 $1.79 ea.

Magnecraft W107DIP-5 Reed Relay

Small reed relay with built-in clamping diode features 5VDC 500Ω coil and SPST contacts rated 0.5Amp. Fully enclosed type fits in standard 14 pin IC socket.
G13763 $1.00 ea.
Tube of 25/$22.00 • 100/$80.00

Magnecraft W171 DIP-17 5VDC Dip Relay

Small size dip relay features 5VDC 500Ω coil and SPST normally closed contacts rated .5amp. Has internal clamping diode across coil.
G13575 $1.29 ea.

NAIS DS4E-S-DC5V 4PDT 5VDC Relay

Made by NAIS (Aromat) this compact relay features fully enclosed case for PC board mounting. Coil is 5VDC 125Ω. Contacts are 4PDT rated 2Amp 30VDC or .6Amp 125VAC. Size 1.38" L x .38" W x .38" H. Prime factory fresh part.
G12902 $3.95 ea.

Coto 2911-05-301 5VDC SPDT Reed Relay

Miniature reed relay features 5VDC non polarized coil with a resistance of 230Ω. Contacts are SPDT rated 3 watts. Size only 0.80" L x 0.24"W x 0.28" H. Has 5 PC pins.
G14166 $1.49 ea.

Aromat Tiny 5VDPDT Relay TN2E-5V

Features 2 form C (DPDT) contacts rated 1Amp. Coil is 5VDC 178Ω size only 0.55"L x 0.22"W x 0.38"H. Features 10 PC leads.
G14212 $1.49 ea.

CP Clare MRBIA05 5VDC Relay

Compact relay by CP Clare features 5VDC 225Ω coil and 1 form A (SPST) contacts. Size: 1.12" L x .35" W x .35" H. Contacts rated 200V 0.5Amp. Brand new.
G2073 $1.00 ea.
10/$8.00 • 100/$75.00

Siemens 5VDC Dip Reed Relay

Tiny dip relay can plug into a 14 pin IC socket. Has "1 form a" standard contacts (SPST). Brand new. -Equivalent to Tyco 0-1393763-1
G14892 2/$1.00

Aromat S2EB-5 Polarized 5VDC Relay DPDT 4Amp Contacts

Aromat S2EB-5 relay features a polarized 130Ω 5VDC coil and four separate sets of contacts giving the equivalent of DPDT contacts. Contacts are rated 4Amp @ 250VAC or 3Amp @ 30VDC. Has 12 PC pin terminals. Sealed case is 1.11"L x .48"W x .40"Tall. Worth about $15.00. Brand New!
G15227 $4.99 ea.

9002-05-02 Coto Reed Relay 5VDC 6 Pin Sip

High quality 6 pin Sip 5VDC reed relay by COTO features a coil resistance of 350Ω and a contact rating of 10 Watts. Contacts are SPST. Size of relay about 0.75" L x 0.20" W x 0.27" Tall. Coil is polarized.
G14162 99¢ ea. • Factory Tube of 25/$20.00

Relays – 6V Types

3PDT 6VDC Heavy Duty Relay

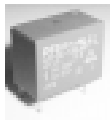
Guardian Part #1315PVS A 410 367283-11 relay features 3PDT contacts rated 5Amp 120VAC. Size 1 3/8" x 13/16" x 1 1/16". Has solder pins and dust cover. Prime.
G9473 $1.00 ea. • 10/$6.00 • 100/$55.00

EP2R-B3G1 6V "H" Bridge Relay

This unique relay consists of two 225Ω coils and two sets of contacts. Each coil operates on 6VDC. Depending on which coil is operated different relay contacts operate. Size is about .62" x .94" x .61"H. Made for PC board mounting. Fully enclosed case.
G14951 99¢ ea.

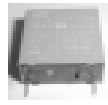
Relays – 9V Types

9VDC SPST Compact Relay



OEG Part# OJE-SS-109LMF features a 9VDC coil and 3Amp 250VAC SPST contacts. Fully sealed PC mount relay is only .72"L x .40"W x .57" H.
G13565 $1.00 ea. • 100/$85.00 • 1000/$500.00

10Amp Contact SPST 9VDC Relay



Fully enclosed relay by OEG type SDT-SS-109DM features 9VDC coil and SPST 10Amp 250VAC contacts. Size only 24mm (L) x 10mm(W) x 24mm(H). Has solder pins for PC mounting on bottom. Brand New.
G1996 $1.25 ea. • 10/$11.00 • 100/$105.00 • 1000/$999.00

Relays – 12V Types

12VDC Sensitive Relay

Features operation from 12VDC with a coil resistance of 700Ω. Type AZ951-1C-12DSE by American Zettler. Size only 0.62" x 0.41" x 0.44". Has 5 PC pins. Contacts are 1 form C rated 1 amp @ 30VDC/125VAC.
G13988 $1.00 ea.

12VDC SPST 10Amp@250VAC Relay

Fully enclosed relay by OEG type SDT-SS-112DM features PC pins and SPST contacts rated 10 amps@250VDC. Coil is 12VDC 278Ω. Size 1" tall x 0.97" W x 0.4" thick. Blowout price!
G14337 99¢ ea.

Zettler Sensitive 12VDC DPDT Relay

Compact 12VDC DPDT relay features 2Amp 30VDC or 1 Amp 120 VAC contact rating. Fully enclosed case is 20mm (L) x 9.85mm (W) x 9.5mm (T) excluding pins. Coil resistance is 740 Ω. Made for PC board mounting. Zettler part #AZ830-2C-12DSE.
G13280 $2.00 ea.

Omron G5P-1A 12VDC Relay

Sealed case compact 12VDC relay features SPST 5 Amp@250VAC contacts. Size 0.93"L x 0.38"W x 1" Tall. With PC pins.
G14616 $1.00 ea.

OEG 12VDC 10Amp SPDT Relay

Small sealed relay features SPDT 10amp@120VAC contacts. Type OUDH-SS-112D is .84" L x .65" W x .57". Has PC pins.
G13481 $1.59 ea.

Omron 12VDC G5Y-1-H Relay

Compact relay is fully sealed and is only .8"L x .45"W x .35"H. Made for applications in microwave bands. Features SPDT contacts and PC mounting.
G13442 $1.00 ea.

4PDT 12VDC Compact Relay

Super compact 4PDT relay features 5VDC coil and .6A 125VAC or 1A up to 30VDC contacts. Size only 1 3/8" x 3/8". Made by Omron G6A-434P-ST-US.
G6814 $2.50 ea.

American Zettler Sensitive Type 12VDC SPDT Relay

Type AZ8-1CH-12DE relay features small size and SPDT 6Amp 240VAC contacts. Overall size: .83"L x .62"W x .56"H. Fully enclosed type with solder pins. Coil resistance is 324Ω. Only requires 37ma to operate.
G12808 $1.49 ea.

Sensitive Aromat NAIS 12VDC DPDT Miniature Relay

Type DS2E-M-DC12V features a fully enclosed case and 8 PC mount pins. Contacts are DPDT rated 2Amp @ 30VDC or .6amp @125VAC. Yellow case is .79" L x .39" W x .39" H. Polarized 12VDC 350Ω coil requires only 34ma to operate. Prime factory part.
G13506 $2.00 ea.

Relays – 12V Types

ELECTRONIC GOLDMINE

Omron G5V-2 12VDC DPDT Miniature Relay

Omron relay features DPDT contacts rated 2 Amp @ 30VDC or .6 Amp @ 125 VAC. Size only .79"L x 0.39"W x .43"H. Has 8 PC board pins.
G14049 $1.75 ea.
Factory Tube of 20/$30.00

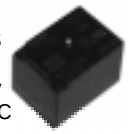
Compact Heavy Duty 12VDC Relay

This small relay 7/8" x 3/8" x 15/16" features 10Amp @ 250 VAC SPST contacts. Made by OEG type OST-S-112DM TV5. Sealed case with removable dust cover and wire pin leads.
G8784 $2.95 ea.
10/$27.50 • 100/$250.00

Miniature Potter and Brumfield 12VDC SPDT Relay

Small fully enclosed relay features SPDT 1Amp 24VDC or .5Amp 120VAC contacts. Features operation from 12VDC. Coil resistance about 680Ω. Size 15mm (L) x 11mm(W) x 10.5mm(H). Type T81H5D312-12. Prime-high quality!
G1934 $1.29 ea. • 10/$11.00

NAIS 12VDC Relay JSI-12V



Compact relay type JSI-12V by NAIS features 12VDC coil and SPDT coil rated 10Amps @ 125VAC. Size only .86"L x .62"W x .63"Tall. Has 5 PC mount pins. Fully sealed.
G15203 $1.49 ea.

Compact 12VDC SPDT Relay TRU-12VDC-FB-CL

Made by TTI this 12VDC relay features SPDT 12A @ 120VAC contacts. Fully enclosed with PC board pins. Size only .65"W x .80"L x .80"H.
G15187 $1.49 ea.

Omron Compact G6B-1114P-US 12VDC SPST Relay

Compact fully sealed SPST relay with contacts rated 5amp 250VAC. Size only .78" L x .38" W x .37" H. With solder pins for PC board mounting.
G13564 $1.00 ea.
100/$80.00 • 1000/$450.00

Potter & Brumfield T9AS1D12-12 12VDC Relay with 30Amp Contacts

Powerful relay by Potter & Brumfield is fully enclosed and designed for PC board mounting. Features SPST N.O. 30Amp @ 240VAC contacts. Coil resistance about 140Ω. Size about 1.25" x 1.05" x .77"tall.
G14855 99¢ ea.

Potter & Brumfield RKA-7D2-12 12VDC DPST Relay

Compact relay features a 12VDC 263Ω coil and DPST N.O. contacts rated 5Amp at 250VAC. Size of relay is 1.15" L x .5" W x .97" H. Fully enclosed type with PC pins.
G13567 $1.25 ea. • 100/$95.00 • 1000/$650.00

Zettler AZ830P Polarized Bistable (Latching) Relay 12VDC DPDT

Features high sensitivity, epoxy sealed case, DPDT 1Amp@120V contacts and 10 PC pins. Size only 0.79" L x 0.39" W x 0.38" H. Features 2 coils. To set 12VDC is applied and to reset about 8.4V is required. Coil resistance 800Ω. Complete part# is AZ830P2-2C-12DSE. Brand new!
G14145 99¢ ea. • Factory Tube of 25/$20.00

12VDC Auto Relays

Heavy duty auto relays with terminals that plug into sockets in the car! Brand new. Check the current ratings!

Manufacturer	Part#	Current Rating	Type	Stock#	Price
WEHRLE	20 200 100	30Amp	SPDT	**G14706**	**$1.49 ea.**
TYCO	VFM-15F41-S01	20Amp	SPDT	**G14708**	**$1.49 ea.**

Relays – 24V Types

Siemens T7NSDI-24 24VDC SPDT Relay

Small fully enclosed relay features SPDT contacts rated 10amp@120VAC or 10amp@28VDC. Size: 0.82"L x 0.62"W x 0.64"H. Features 5 PC pins. Coil voltage 24VDC 1620Ω.
G14140 99¢ ea. • Factory Tube of 25/$20.00

Super Heavy Duty Relay SPST 70 Amp Contacts

Potter & Brumfield 24VDC relay with SPST contacts rated 70 amps. Has solid heavy duty solder posts on bottom. Size 1" square x 7/8" high. Brand new. Potter & Brumfield part # VF7-11H12-Z02.
G1760 $1.29 ea. • 10/$12.00 • 100/$110.00 • 1000/$1000.00

NAIS JS1-24VDC SPDT 10Amp Relay

Compact relay features fully enclosed dust cover and SPDT 10Amp @125VAC contacts. Size only 0.86"L x 0.62"W x 0.64"H. Has 5 pins.
G13916 99¢ ea.

24VDC DPDT 10Amp@250VAC Relay

Type HL 2-P by NAIS features DPDT contacts rated 10Amp@250VAC. Has clear dust cover and PC mount terminals size 1.06" x 0.83" x 1.35"H. Coil resistance 665Ω.
G14256 $1.75 ea.

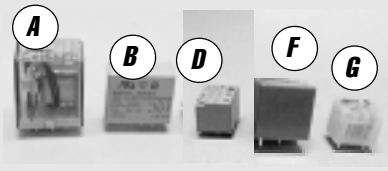
24VDC NAIS Relay

Slim power relay with high capacity inrush current capability. Contacts are SPST (1 Form A) rated 5Amp 277VAC or 5Amp 30VDC. Max switching power 1,385VA, 150W. Coil resistance 1,087Ω (±10%). Size: 24mm x 11mm x 25mm. Brand new prime relays.
G13670 $1.00 ea.

Miscellaneous Relays

Guardian Relays

Prime relays made by famous Guardian Electric Company. All are brand new. Many have clear or opaque dust covers or sealed covers. Pictures represent size and shape only–terminal types on bottom may vary.

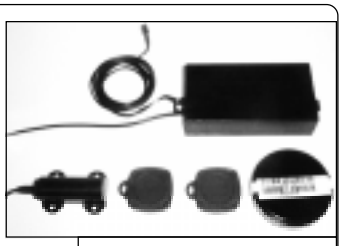


Voltage	Fig	Part#	Contacts	Size	Stock#	Price
6VAC	A	A410-36300-11	5amp 4PDT	1-1/16" x 13/16" x 1-3/8"	G9633	$1.50
9VDC	B	A410-367009-18	5amp SPST	13/16" x 5/8" x 1/2"	G9635	$1.00
20VDC	D	A410-367392-59	6amp SPDT	7/8" x 5/8" x 5/8"	G9640	$1.00
48VDC	F	A410-365391-108	10amp SPDT	1-1/4" x 3/4" x 1-3/16"	G9646	$1.25
48VDC	G	A410-366316-14	3amp SPDT	1" x 11/16" x 3/4"	G9647	$1.00
90VDC	A	A410-365372-15	13amp DPDT	1-1/16" x 13/16" x 1-3/8"	G9650	$1.75
110VDC	G	A410-366187-16	10amp SPDT	1-3/8" x 1-3/8" x 2-1/8"	G9651	$1.25
110VDC	A	A410-367152-16	15amp SPDT	1-1/16" x 13/16" x 1-3/8"	G9652	$1.75

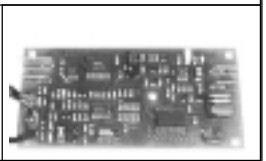
NAIS PhotoMos Relay AQV210EHAZ

Made to control low-level analog signals, this PhotoMos relay features extremely low closed-circuit offset voltage to enable control of low level analog signals without distortion. These allow control with low-level input signals. This is a 6 pin SMD type part that is rated 350V@130ma for load and 3V@50ma for input. See complete specs on the Internet. These are brand new.
G14592 3/99¢

Latest Technology Key Fob Proximity Detector



These are being used to prevent thefts of autos, provide increased security in buildings, to operate electronic gates, garage doors, computers, etc. Consists of a small key fob that is totally self contained (no moving parts or batteries) and a proximity sensor and associated receiver circuit box. When the key fob is brought within 2.75" of the sensor, the unique data encoded in the key fob is transferred to the sensor/receiver, activating whatever device-relay, solenoid, lights, locks, etc.-that you have connected to the receiver. These are brand new units consisting of 2 key fobs, a master programmer key in a sealed container, and a receiver box with sensor. The receiver is very sophisticated and cannot be activated except by the key fobs that come with it. If someone steals one of the key fobs you can program a new code with the master programmer key fob into the remaining fob so that the stolen one will no longer work. The coding of new keys does not use a computer and can easily be completed in a few seconds. The system is absolutely amazing. The receiver operates on 12VDC and requires only the addition of a simple relay and transistor or relay, transistor and 4027 IC circuit to control your choice of items.



Details: The key fob is completely waterproof, weatherproof and crunch resistant. Size : 1.4" square and is meant to be attached to your keychain and has a recessed circle to allow you to place a custom label (if desired). The sensor is about 2.1" x 1.3" and is attached by a 20" cable to the 4 1/8" x 2 1/8" receiver box. The sensor can be mounted in wood, behind glass or plastic and still function perfectly. The sophisticated receiver uses 6 ICs and outputs a momentary voltage level when the correct key fob is brought within 2.75" of the sensor. We supply 2 simple schematics for the control circuit you need to connect to the receiver. One is momentary which means you will have a relay closure as long as the fob is placed next to the sensor. The other circuit uses a 4027 IC and it allows you to wave the fob next to the sensor to latch the relay "on." The next time you wave it near the sensor, the relay turns "off." Parts for either of the circuits are sold separately below. This new technology has thousands of applications. As soon as you buy one of these units you'll want to purchase more as you will realize all of the different ways it can automate or control security tasks. Brand new with complete instructions.

G12915 $29.95 ea.

Momentary Circuit Parts for above: Consists of a transistor, relay, several diodes, a capacitor and resistor (no PC board). With easy to build schematic.

G12916 $2.50

Latching Circuit Parts for above: Consists of a transistor, several resistors, several diodes, a 4027 IC, IC socket, several capacitors, and a relay (no PC board). With schematic.

G12917 $3.50

Handheld RF Transmitter/Satellite Remote

Prosat P222 remote control features RF (not infrared) transmission. Has four buttons labelled "Satellite Name", "Satellite Number", "East", and "West". Operates on 9V battery (not included). Size about 5 3/4"L x 2 1/2"W x 7/8" Thick. Brand new but we have no data, so we are selling these "AS IS" for experimenting with RF.

G14100 $1.99 ea.

RCA Universal DVD, TV, VCR, Cable Box Remote

Small universal remote replaces 3 remotes. Has codes for most DVD players, TVs and VCRs. Controls one VCR or one DVD player, your TV, and your cable box. Operates on 2 "AAA" batteries (not included). Small size (only 5 1/2" L x 2" W). Brand new in sealed retail package.

G13485 $7.99 ea.

Resistors

1/4 Watt Carbon Resistors

Prime color coded 1/4W carbon resistors. Select values from table at right (no mixing). Order by stock number.

100/$3.50 Quantites of any one value (no mixing)

Value	Stock#	Value	Stock#	Value	Stock#	Value	Stock#	Value	Stock#	Value	Stock#	Value	Stock#	Value	Stock#	Value	Stock#
1.0Ω	G412R	27Ω	G425R	180Ω	G438R	620Ω	G451R	3.9K	G464R	12K	G477R	51K	G490R	220K	G503R	1.0Meg	G516R
2.7Ω	G413R	33Ω	G426R	200Ω	G439R	680Ω	G452R	4.3K	G465R	15K	G478R	56K	G491R	240K	G504R	1.5Meg	G517R
3.9Ω	G414R	36Ω	G427R	220Ω	G440R	750Ω	G453R	5.1K	G466R	16K	G479R	62K	G492R	270K	G505R	1.6Meg	G518R
4.7Ω	G415R	39Ω	G428R	240Ω	G441R	820Ω	G454R	5.6K	G467R	18K	G480R	68K	G493R	300K	G506R	2.0Meg	G519R
5.1Ω	G416R	47Ω	G429R	270Ω	G442R	1.0K	G455R	6.2K	G468R	20K	G481R	75K	G494R	330K	G507R	2.2Meg	G520R
5.6Ω	G417R	51Ω	G430R	300Ω	G443R	1.5K	G456R	7.2K	G469R	22K	G482R	82K	G495R	390K	G508R	3.3Meg	G521R
10Ω	G418R	68Ω	G431R	330Ω	G444R	1.6K	G457R	7.5K	G470R	24K	G483R	91K	G496R	470K	G509R	4.7Meg	G522R
11Ω	G419R	82Ω	G432R	360Ω	G445R	1.8K	G458R	7.8K	G471R	30K	G484R	100K	G497R	510K	G510R	10Meg	G523R
12Ω	G420R	100Ω	G433R	390Ω	G446R	2.0K	G459R	8.2K	G472R	33K	G485R	110K	G498R	560K	G511R	15Meg	G524R
15Ω	G421R	120Ω	G434R	430Ω	G447R	2.2K	G460R	8.8K	G473R	36K	G486R	120K	G499R	620K	G512R		
16Ω	G422R	130Ω	G435R	470Ω	G448R	2.4K	G461R	9.1K	G474R	39K	G487R	160K	G500R	680K	G513R		
22Ω	G423R	150Ω	G436R	510Ω	G449R	2.7K	G462R	10K	G475R	43K	G488R	180K	G501R	750K	G514R		
24Ω	G424R	160Ω	G437R	560Ω	G450R	3.3K	G463R	11K	G476R	47K	G489R	200K	G502R	820K	G515R		

0.5Ω 15Watt Power Resistor

Sandstone power resistor by Dale featuresfull length axial leads and 10% tolerance. Dale part# CP-15-3. Blowout price.

G14375 6/99¢

1Ω 20Watt Power Resistor

Brand new fuseable link type power resistor is rated 1Ω, 20watts. Size about 2.5"L x 0.5"Sq. (excluding leads). Full length leads and fully marked. Blowout Price!

G14510 10/99¢

1.8KΩ 5W Power Resistor

Small sandstone resistor is rated 1.8KΩ 5W. Full radial leads as shown. Blowout price.

G14568 10/$1.49

CADDOCK Special High Voltage Resistors

Special high voltage resistors made for the government. These are all 1% tolerance and individually packaged with their part # and value labeled. Each has full length axial leads. Caddock types represented are M650 to MG721. These are worth many times our price! Prime–New!

Ωs	Volts	Watts	Stock#	Price
5.11KΩ	1KV	1Watt	G2034	$1.50
191KΩ	1KV	.6Watt	G2039	$1.50
909KΩ	2KV	.8Watt	G2043	$1.75
1.74MΩ	2KV	.8Watt	G2044	$1.75
2.5MΩ	2KV	.8Watt	G2045	$1.75
3.0MΩ	2KV	.8Watt	G2046	$1.75
3.74MΩ	2KV	.8Watt	G2047	$1.75
4.53MΩ	2KV	.8Watt	G2048	$1.75
5.49MΩ	2KV	.8Watt	G2049	$1.75
6.34MΩ	2KV	.8Watt	G2050	$1.75
6.49MΩ	4KV	1Watt	G2051	$2.00
7.32MΩ	2KV	.8Watt	G2052	$1.75
8.06MΩ	4KV	1Watt	G2053	$2.00
11.3MΩ	2KV	.8Watt	G2056	$1.75
14.6MΩ	2KV	.8Watt	G2057	$1.75

1.8Ω 2Watt Power Resistor Blowout

Small 1.8Ω 5% 2 watt power resistor has cut and formed 0.7" long leads. Unbelievable price! Prime fully marked.
G14549 200/99¢

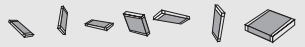
120Ω 2Watt Power Resistor

Molded 2 watt power resistor features 0.65"L formed leads. Prime marked power resistor at a blowout price!
G14511 200/$1.99

120Ω 3Watt Power Resistor

Ceramic case molded power resistor with 0.75"L formed leads. This color coded resistor is rated 120Ω, 5% tolerance, 3 watts. Special blowout price (less than 2¢ each).
G14509 50/99¢

Chip Resistors



Tiny SMD resistor. Order by stock number. All case sizes are "1206" unless noted by a symbol (see at right).

† = 0805
CASE SIZE: Δ = 1210
∂ = 1812

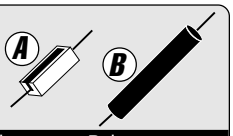
Your Choice Of Any One Value (No Mixing) 20/$1.00

Value	Stock#	Value	Stock#	Value	Stock#	Value	Stock#	Value	Stock#	Value	Stock#
0Ω	G217R	120Ω	G235R	680Ω	G253R	8.06K	G271R	27.4K	G289R	200K	G307R
6.8Ω	G218R	130Ω	G236R	820Ω	G254R	8.2K	G272R	28K	G290R	240K	G308R
10Ω	G219R	200Ω	G237R	1K	G255R	8.25K	G273R	30.1K	G291R	270K	G309R
12Ω Δ	G220R	205Ω	G238R	1.5K	G256R	9.31K	G274R	31.6K	G292R	300K	G310R
15Ω	G221R	220Ω	G239R	1.74K	G257R	10K	G275R	33K	G293R	330K	G311R
18Ω	G222R	240Ω	G240R	1.8K	G258R	10.2K	G276R	39K	G294R	357K	G312R
27Ω †	G223R	243Ω	G241R	2.15K	G259R	11K	G277R	56K	G295R	390K	G313R
30Ω	G224R	270Ω	G242R	2.2K	G260R	12K	G278R	59K	G296R	402K	G314R
33Ω	G225R	300Ω ∂	G243R	2.4K	G261R	12.1K	G279R	61.9K	G297R	470K	G315R
39Ω	G226R	330Ω	G244R	2.43K	G262R	15K	G280R	68K	G298R	511K	G316R
43Ω †	G227R	360Ω ∂	G245R	2.87K	G263R	16K	G281R	82K	G299R	560K	G317R
47Ω	G228R	390Ω	G246R	3.3K	G264R	16.5K	G282R	82.5K	G300R	562K	G318R
51Ω	G229R	430Ω	G247R	4.3K †	G265R	18K †	G283R	86.6K	G301R	1Meg	G319R
56Ω	G230R	470Ω	G248R	4.7K	G266R	18.2K	G284R	91K	G302R	2Meg	G320R
62Ω	G231R	510Ω	G249R	5.1K	G267R	20K	G285R	110K	G303R	2.2Meg	G321R
68Ω	G232R	560Ω	G250R	5.62K	G268R	22K	G286R	120K	G304R	3.3Meg	G322R
82Ω	G233R	620Ω	G251R	6.8K	G269R	24K	G287R	162K	G305R	4.7Meg	G323R
100Ω	G234R	649Ω	G252R	7.5K	G270R	27K	G288R	180K	G306R		

8Ω 5Watt Power Resistor

Sandstone power resistor with leads cut and formed for PC mounting. Rated 8Ω 10% 5W.
G14383 5/$1.00

Power Resistors



Prime power resistors. We have several different package styles. Made by various manufacturers such as Dale, TRW, Ward Leonard, etc. Select values from table below.

Stock#	Value	Watts	Fig.	Price
G6175	5.6Ω	5W	A	4/$1.00
G6176	6.8Ω	5W	A	4/$1.00
G6182	750Ω	10W	B	3/$1.00

Resistor Assortments

Component Kits

Here's a great way to have the correct resistor on hand for a project or repair. Each kit features a label with components shown and 24 compartments containing 10 each of the listed resistor values (240 pieces total). The handy 10 1/2" x 5 7/8" x 15/16" tall cabinet features a 24 compartment pull out drawer and comes with a set of tweezers to use in component removal. Cabinets stack and interlock on each other (if you buy more than 1). Brand new. Made by Tech America.

G14230 - 1/8 watt carbon film 5%
10 each: 2.2ohm, 3.3ohm, 4.7ohm, 10ohm, 22ohm, 33ohm, 47ohm, 68ohm, 82ohm, 100ohm, 120ohm, 150ohm, 220ohm, 270ohm, 330ohm, 390ohm, 470ohm, 680ohm, 1K, 1.5K, 1.8K, 2K, 2.2K, and 2.7K **$9.95**

G14231 - 1/8 watt carbon film 5%
10 each: 3.3K, 4.7K, 5.1K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 22K, 27K 33K, 47K, 68K, 82K, 100K, 220K, 330K, 470K, 680K, 1M, 2.2M, 4.7M and 10Meg **$9.95**

G14232 - 1/8 watt metal film 1%
10 each: 2.2ohm, 3.3ohm, 4.7ohm, 10ohm, 22ohm, 33ohm, 47ohm, 68ohm, 82ohm, 100ohm, 120ohm, 150ohm, 220ohm, 270ohm, 330ohm, 390ohm, 470ohm, 680ohm, 1K, 1.5K, 1.8K, 2K, 2.2K, and 2.7K **$12.95**

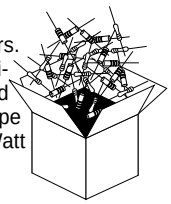
G14233 - 1/8 watt metal film 1%
10 each: 3.3K, 4.7K, 5.1K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 22K, 27K, 33K, 47K, 68K, 82K, 100K, 220K, 330K, 470K, 680K, 1M, 2.2M, 4.7M and 10Meg **$12.95**

G14235 - 1/4 watt carbon film 5%
10 each: 470ohm, 560ohm, 680ohm, 820ohm, 1K, 1.2K, 1.5K, 1.8K, 2K, 2.2K, 2.7K, 3.3K, 3.9K, 4.7K, 5.1K, 5.6K, 6.8K, 8.23K, 10K, 15K, 22K, 27K, 33K and 39K **$10.95**

G14239 - 1 watt carbon film 5%
10 each: 2.2ohm, 3.3ohm, 4.7ohm, 10ohm, 22ohm, 33ohm, 47ohm, 68ohm, 82ohm, 100ohm, 120ohm, 150ohm, 220ohm, 270ohm, 330ohm, 390ohm, 470ohm, 680ohm, 1K, 1.5K, 1.8K, 2K, 2.2K, and 2.7K **$15.95**

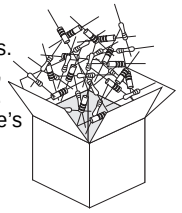
G14240 - 1 watt carbon film 5%
10 each: 3.3K, 4.7K, 5.1K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 22K, 33K, 47K, 68K, 82K, 100K, 220K, 330K, 470K, 680K, 1M, 2.2M, 4.7M and 10Meg **$15.95**

Box of Precision Resistors



Here is a super way to stock up on various precision resistors. You get a 7" x 5" x 5" cardboard box full of quality 1% precision resistors. Contains at least 1,000 pieces of color coded or value marked precision resistors. Some PC leads, some tape and reel, and some bulk packed. You will find1/8Watt to 1/2Watt types. Tremendous value!!
G3436 $18.00

Box of Resistors



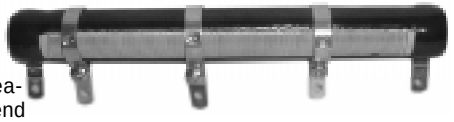
Large 7" x 5" x 5" cardboard box full of all types of resistors. You'll find precision, carbon comp, carbon film, power, 1/4W, 1/2W and 1/8W types. Some are bulk, some are taped together. Some may be PC leads. Minimum 1,000 pcs. in each box. Here's a GREAT way to stock up!
G3006 $10.00

Check out these two Miscellaneous Resistors!

20K Single Turn Trimmer Potentionmeter

Vertical mount linear taper trimmer potentiometer is .36"sq. x .20"Thick. Features large slot with arrow for adjustment and 3 PC mount pins with .14" lead spacing between each pin. Single turn type.
G15678 5/$1.00

Large Wirewound Adjustable Slide Resistor

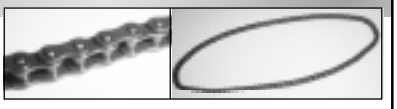


Large wirewound ceramic power resistor features three seperate slides to make a voltage divider. Type WL0024 features a 100Ω resistance from end to end. Size about 6 1/2"L x .8"Dia. Brand new.
G15631 $5.00 ea.

ROBOT BUILDER ITEMS!

Visit Our New Online Robot Section at:
www.goldmine-elec.com

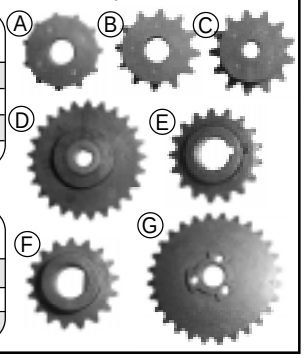
Miniature Roller Chain



Metal #25 roller chain with master link makes a 23" long chain. Works with all sprockets listed below. Great for making super powerful type robots. Brand new!
G13605 $2.49 ea.

Glass-reinforced Nylon 1/4" Pitch Sprockets for use with above roller chain. Most of these sprockets were designed to press onto shafts, however you can drill and tapp to install set screws if you wish.

Fig.	Tooth	Approx. Outer Dia.	Bore	Stock #	Price
A	11	1"	5/16"	G13606	$1.00 ea.
B	12	1.1"	5/16"	G13607	$1.00 ea.
C	13	1.17"	1/4"	G13608	$1.25 ea.
D	25	2.1"	5/16" "D"	G13609	$1.50 ea.



Metal Types for Above Chain

Fig.	Tooth	Approx. Outer Dia.	Bore	Stock #	Price
E	17	1.48"	1/2" (slotted)	G13610	$1.50 ea.
F	17	1.48"	1/2" "D"	G13611	$1.50 ea.
G	28	2.37"	3/8"	G13612	$2.00 ea.

Create Powerful Mechanical Motion by using the following Air Cylinders!

4" Bimba Pneumatic Air Cylinder (Used)

Type 53E743 air cylinder by Bimba requires only 15 to 20 psi of air to activate. Has .5" bore, .75" stroke and .25" threaded rod. Double action with 5/8" dia. threaded mounting bushing. Body diameter is .86". Used – good operating condition.
G13617 $3.95 ea.

3.42" Bimba Pneumatic Air Cylinder (Used)

Type 53E712 air cylinder by Bimba requires only 15 to 20 psi of air to activate. Has .5" bore, .95" stroke and .25" threaded rod. Double action with 5/8" dia. threaded mounting bushing. Body diameter is .86". Used – good operating condition.
G13616 $3.95 ea.

3.88" Bimba Pneumatic Air Cylinder (Used)

Type 53E732 air cylinder by Bimba requires only 15 to 20 psi to operate and features a single action with a spring return out. Has .75" bore, .75" stroke and a 7/16" threaded rod. Features a threaded 3/4" bushing for mounting. Body diameter is 1.58". Used – good operating condition.
G13615 $3.95 ea.

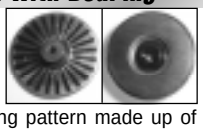
3.17" Bimba Pneumatic Air Cylinder (Used)

Type 53E582 air cylinder features a spring return retract and a .75" bore, .75" stroke single action 7/16" dia. threaded rod. Has threaded 3/4" bushing for mounting. Requires 15 to 20 psi to operate. Body diameter is 1.58". Used – good operating condition.
G13614 $3.95 ea.

1.08" Dia. Magnetic Wheel with Shaft and Bearing

This is similar to the 1.1" magnetic wheel we sell, however this one has a 1" Tall .08" shaft attached and a .2" Dia. bearing that is removable. Again the magnet is very strong. The magnet is attached to a non magnetic metal base so the force of the magnet is directed upwards where the shaft is. Very precision made. This one has no optical encoder pattern. Looks like a great item for experimentation or Robotics. Wheel and bearing only.
G13636 $2.99 ea.

1.1" Dia. Magnetic Wheel with Bearing

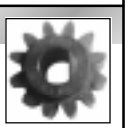


This was made to form a basis for a special servo drive motor. Underneath this wheel, coils would be energized to turn it at a precise speed. Has optical encoding pattern made up of chrome like segments on top. Magnet is very strong for its size. Overall diameter of magnet is about 1". Thickness of wheel and magnet is about .12". Has internal bearing to allow it to rotate on .08" Dia. shaft. Magnetic wheel and bearing only – no coils or other items.
G13638 $2.49 ea.

20 Tooth Plastic Gear

Small 20 Tooth gear has metal bushing and strong plastic teeth. Overall OD is about .84" and ID is about .32". Width of gear is about .24".
G13651 $1.00 ea.

Small 9/16" OD Drive Gear



Small 12 Tooth drive gear has a "D" shaped 3/16" dia. internal hole and is made out of very strong plastic. Overall outer dia. is .55" and width of gear is about .6" Tall.
G13650 $1.00 ea.

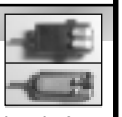
Mabuchi RC-260RA 4.5 to 6VDC Motor

Great little motor for use in robot applications features 9800 RPM at 4.5V unloaded. At maximum efficiency the RPM is 7750 current is .53amp and torque is 15.1g-cm. Stall current is 2amp with torque of 72g-cm. Size of body is 1.2" L x .93" Dia. Shaft is .28" L x .075" Dia. Brand new with solder eyelets.
G13619 $1.29 ea.

Small Bearing

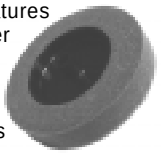
Small bearing is 5/8'' Dia. OD and 7/32'' ID. Smooth and high quality made from stainless steel. Brand new.
G1558 $1.49 ea.

Micro Motor



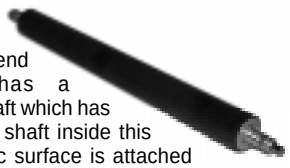
Tiny pager type motor without the weight is perfect for making tiny Beam robots, or spinning tiny propellers on miniature model plane. These do not have the weight on the shaft so they are much more useful. Operates from 1V up to 5VDC. Our picture shows the motor with and without the protective rubber boot (just cut it off with a knife or razor blade if you wish). Brand new with 2 metal solder connection tabs. Size of body about .45" L x .19" Dia. Shaft is about .15" L x .025" Dia.
G13625 $1.49 ea. • 10/$12.00

Large Foam Covered Robotic Wheel



Large 5"Dia. x 1"Thick wheel features a solid plastic wheel at the center bonded to a 1"Thick outer foam wheel. Center bore is .35"Dia. and is 1.25"Long. Great for robots that must travel on carpets or uneven ceramic tile surfaces.
G14947 $3.49 ea.

Very Unusual Large Magnetic Roller

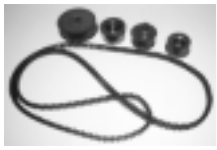


Magnetic roller is about 1"Dia. x 10 7/8"Long. Each end of the roller has a .40"(10mm) Dia. shaft which has a smaller 6mm "D" shaft inside this shaft. The magnetic surface is attached to this because if you place a paper clip, screw, etc. on the outer shaft and rotate the inner shaft the object will move around the outer shaft surface. The inner shaft spins freely so it must have internal bearings. Overall length of the entire assembly is 13 1/2". These are used but in good condition.
G15346 $7.95 ea.

Mechanical/Electronic Interrupter

This is a 2.3"L x 1.1"W x 1"H assembly with metal base that has a Omron opto interrupter mounted. It also has a 3.8" L plastic probe that has a spring return. When the probe comes in contact with a hard surface, a flag is moved from between the slot of the opto interrupter so that a signal is produced that can control a LED, relay IC etc. Probe extends about 1.7" and can be pushed all the way in (except for the last .4"). Brand new – no specs. Great robot item.
G13649 $2.00 ea.
10/$8.00 • 100/$75.00

Pulley Belt and Gear Packaged "Used"



Perfect for use in large robots or machines. It consists of a brand new double sided type pulley belt that is about 41" in length and 3 used gears plus a used idler pulley. All match the "teeth" on the rubber pulley belt. Gear 1 is about 2.2" OD and has a .36" inside dia. "D" bore with set screw, gear 2 is about 1.3" OD with an internal bearing with a .31"dia. inside bore, gear 3 is about 1.2" OD and has 2 lip edges and a slotted inside .36" Dia. bore with set screw. The idler pulley is 1.4" OD and has an internal bearing with a .39" internal bore. All gears/pulleys are made out of metal and are used, however they were made to work perfectly with the new pulley belt supplied, and can be used inside or outside of belt (double type belt).
G13689 $10.00

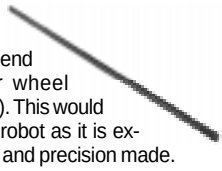
Ball Bearing 1.62" Dia. Robot Drive Wheels

Set of two 1.62" outer diameter drive wheels, with two 4-40 0.86" bolts and nuts (the wheels don't need additional axles), rubber bands for driving the wheels from the motors. You can mount these wheels directly to your robot or "L" bracket. We include a simple set of instructions that show how to make this high torque mechanical drive (you'll need to provide some sort of back wheel on your finished robot). *NOTE*: This is not a complete robot and no schematics, motors, L brackets, etc. are included. Only the 2 large drive pulleys that serve as front wheels, the bolts and nuts for them, the rubber bands and instructions on how to make a rubber band belt motor drive mechanism.
G14400 $7.99/Set

Small Drive Belt & 3 Gears

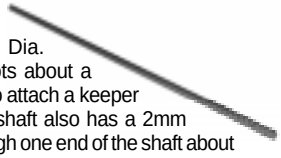
Special metal .44"Dia. timing belt set screw type gear fits a 5.5mm (.22") Dia. "D" motor shaft. This gear meshes perfectly with the timing belt and drives a plastic .69"Dia. timing belt gear which has a 28 tooth 1.17" gear molded to it. This 28 tooth gear has a 8mm (.30" bore). The 28 tooth gear then drives a 35 tooth 1.45"Dia. gear which has a 8mm (.30"Dia. bore). Includes a 9"L (2.5"Dia.) drive belt.
G15324 $5.00

17 1/2" Polished 6mm Axle



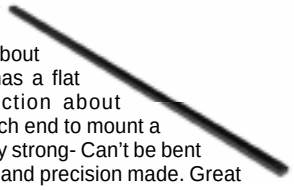
Polished stainless steel axle is about 17.5"L x 6mm Dia. It has a flat surface on each end and a slotted groove for wheel keeper clamps (not included). This would be a great axle for a larger robot as it is extremely strong, very straight and precision made.
G15347 $5.00 ea.

16 1/2" x 6.5mm Polished Stainless Steel Axle



Nice quality 6.5mm Dia. shaft has groove slots about a 1/4" from each end to attach a keeper (not included). This shaft also has a 2mm Dia. hole drilled through one end of the shaft about .85" from the end. Great for robotic applications.
G15344 $4.50 ea.

16 3/4" x 8mm Dia. Polished Axle

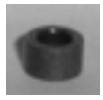


Poplished stainless steel axle is 8mm in Dia. and about 16 3/4" Long. It has a flat 4mm x 8mm section about 5.4mm long on each end to mount a wheel or gear. Very strong- Can't be bent my normal means and precision made. Great axle for larger robots.
G15352 $5.95 ea.

Bronze Bushing For 8mm Axle

Heavy duty bronze bushing features 2 holes on 1.5" centers to allow you to bolt it to a frame. The bushing is .79"H x 1.94"L. These are very strong and will hold and allow our **G15352 8mm Axle** (above) to rotate freely. Brand new- Sold in pairs only.
G15353 $4.00/Pair

Small Bronze Bushing



Small bronze bushing is .40"Dia. x .24"H and has a 6mm inside bore.
G15358 4/$1.00

Small Bronze Bushing

Heavy duty yet small bronze bushing is about .5"Dia. on the outside with a .63" Dia. lip. It is about .39"L and has a bore for .23"dia. shafts.
G14941 4/99¢

Bronze Bushing

Heavy duty bronze bushing is .75"Long x .5" outer diameter. Inner bore is .37".
G14945 4/99¢

Nylon Bushing A

Small nylon bushing is .5"Dia. x .22" bore. Length is .25"
G14940 8/99¢

Nylon Bushing B

Small nylon bushing is .5"outer Dia. x .22" bore. Length is .37"
G14942 8/99¢

Large Nylon Gear with Pulley

Large white nylon gear has 48 teeth and is 1.96" in Dia. It has a 1.16"Dia. pulley for a .2" wide pulley belt and a 2 set screw type metal collar to mount onto 10mm shafts. The assembly appears to be new, but the white nylon has turned yellow in some areas. Great for large robotic drivers.
G15345 $2.99 ea.

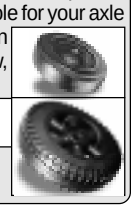
Nylon Pully

Nylon pulley is .44"L and has .43" Dia. lip at each end. The diameter of the pulley excluding the outer lips is .27". The internal bore is .1".
G14943 5/99¢

Timing Belt Pulley & Bearing Mount

Large 1.34" timing belt pulley is mounted to a 8mm (2")L shaft. The shaft slips into a special bearing/mount. The base of the mount is 2.25"L x 1.1"Wide and the bearing is 1"Tall. The base has mounting holes on 1.7" centers. The end of the shaft has a slot groove on it to use a keeper (not included). Great item for use in larger robot drives.
G15354 $5.00 ea.

Giant Black Robot Wheels



Great for making larger robots, these hollow plastic wheels feature a 0.3" internal diameter hole for your axle and an outer diameter as shown. Even though these plastic wheels are hollow, they can support a heavy load. New!

4 3/4"Dia. x 1 1/2" Thick
G13885 $1.49 ea.

6"Dia. x 1 5/8" Thick
G13889 $1.79 ea.

Ball Bearing Swivel Coaster

Great for use in larger robots, this coaster features a hard black plastic 1.25" diameter wheel attached to a freely rotating ball bearing type 360° metal swivel plate which is 1 3/16" x 1 3/4" with 4 mounting holes. The dimension from the surface of the plate to the bottom of the coaster wheel is about 1 1/2". The width of the black wheel is about 1/2". Very smooth action makes a great omni directional wheel on a three wheel robot! New.
G4600 $1.29 ea.

Thrust Bearing

Consists of 11 steel ball bearings in a metal race. Each ball bearing is about 1/4" Dia. and the overall size of the race is about 1.27" in outer diameter. We have soldered metal posts to the race and attached the posts to the bottom of a circuit board to make a free wheelin' robot!
G13613 $1.00 ea. • 10/$5.00

Heavy Duty Sprocket for #25 Roller Chain

Glass-reinforced nylon 1/4" pitch sprockets for large robot construction. These work with the #25 roller chain we sell (see above).

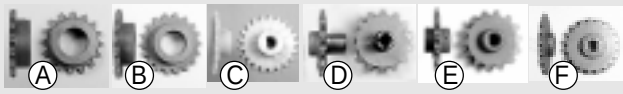


Fig.	Tooth	Outer Width	Bore	Stock#	Price
A	16	1.39"	0.61"	G13901	$1.00
B	18	1.56"	0.61"	G13902	$1.00
C	21	1.81"	0.36" "D"	G13904	$1.25
D	14	1.24"	0.20"	G13905	$1.50
E	14	1.24"	0.234" "D"	G13906	$1.50
F	19	1.64"	0.31" "D"	G13907	$1.75

Plastic Gear Box

This gearbox consists of 4 plastic gears and was made for a printer. The approximate overall size of the gearbox is 2.5" x 1.02" x 1.32". We have no data but the small gears can be easily removed and used for robotics.
G14566 99¢ ea.

Gear Head Assembly

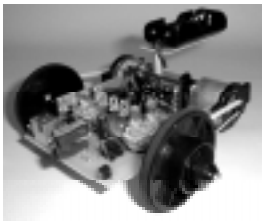
Compact 29RPM plastic gear head assembly contains a good quantity of small gears inside a 1 3/4"Dia. x 3/4" open type plastic housing (excluding ears). On the top side is a .125" Dia. x 9/16" L shaft and on the bottom is a hole with gear that a motor with a gear (we don't have the motor) was to be attached. Made by Hankscraft. The gear head is new and it looks like it would be great for robotics, however we are selling them cheap because we do not have the motor or additional information.
G4518 $2.95 ea.

Light Spider Robot Kit

This amazing new robot uses its electronic brain to follow or find a light source (such as a standard flashlight). Using its drive motors, the Light Spider will scoot across any smooth hard surface (such as a linoleum floor or a wooden table top) looking for light. While searching, a LED array on the front of the robot lights up and blinks. You will be amazed at the Light Spider's ability to follow light. Operates from one 9V battery (not included) and uses a transistor brain to control its 2 motors. The PC board and motors can be customized by painting them before assembly. Size of PC board is approximately 3.75" x 2.5". Skill Level 2.

C6886 $11.95 ea.

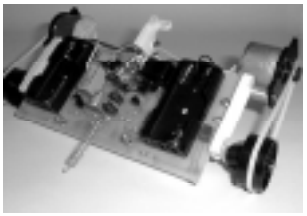
IR Vision Rover Robot Kit



This incredible robot can actually see! As it explores, it emits invisible beams of IR (infrared) light which reflect off any obstacles in its path, including wall, rocks, humans, boxes, etc. Its'simple brain and sensor causes the IR Vision Rover Robot to turn backwards and then go forward in a different direction avoiding the obstacle it has detected up to one foot away. It can even be remotely controlled from up to 25 feet away by using any standard VCR/TV IR remote control that you have. Simply point and press almost any button on your remote and you will notice that your IR Vision Rover Robot will immediately back up and then go forward in a different direction. The Rover emits beeps and blinks bright colorful LEDs as it explores. Operates from only two AA batteries (not included). Features DC-DC converter circuitry, sensitive IR sensor module, 2 IR LEDs, 9 colorful LEDs, 2 powerful motors and reliable drive train. This entertaining robot will amaze everyone who sees it! It's a fun kit to build, and an excellent introduction to robotics. Size about 5 1/2" x 6 1/2". Complete with all parts, PC board and instructions. Skill level 2.

C6761 $46.99 ea.

Treasure Trakkor Robot Kit



This exciting and amazing new robot kit travels at super fast speeds looking everywhere for lost coins. As soon as the Treasure Trakkor detects a coin lying on the floor, it shuts off its high speed motors and sounds an electronic tone, plus it lights up 2 bright electronic LEDs to tell humans that it has detected money. Just hit the reset button and the Treasure Trakkor Robot starts exploring again. It uses a unique spring type vibration sensor that causes it to change direction whenever it hits an obstacle or wall. Operates on any hard smooth surface (gym floor, vinyl, concrete, marble, etc.). Features bright colorful blinking LEDs, 2 powerful motors, a dip switch to adjust turning times. Size of robot is about 8 1/2" x 4 1/2". Operates on four AA batteries (not included). Complete with all parts, PC board and instructions. Skill level 2.

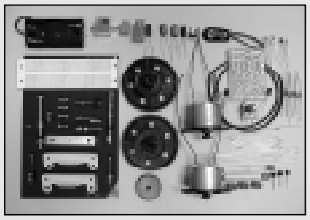
C6760 $38.99 ea.

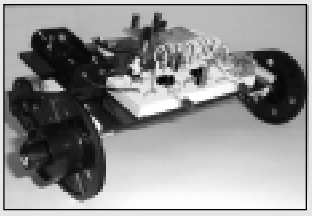
34 In 1 Deluxe Exploration ROBOTICS LAB

This lab introduces you to the fundamentals of robotics technology while building 28 different robots in one. You start by building a simple robot, and then dissassembling it to progress to building more complex designs which are remote controlled with IR (infrared) vision and object avoidance. This lab is totally REUSABLE and will stimulate your mind in robotic technology. Try it! You will love it!

Lab Includes:

- High Quality Breadboad
- 3 Wheels, 2 Motors, 2 Belts, and Various Mechanical Parts
- Attractive Smoked Plexiglass Base
- All necessary Electronic Parts
- Fully Illustrated Instruction Manual





Learn About:

Robot Motor Traction & Power System
Robotic Motion
Time Controlled Motion
Remote Controlled Motion
Robotic Vision (CDS & Infrared)
Sound Detection & Control
... and many more topics.

Build the Following Robots:

Explorer I and II
The Unstoppable
The Independent Minded Robot
The Night Runner
The Day Runner
The IR (eye) Robot
Obedient I (Remote Controlled Robot)
Obedient II (Remote Controlled Robot)
Robot Pet
Obstacle Avoiding Robot I
Obstacle Avoiding Robot II
Big Ears Robot
The Music Dancer Robot
... and many more.

34 in 1 Deluxe Exploration Robotics Lab

C6762 $89.00

Check out the experiments in the 34 in 1. Each one is designed to progress in an easy-to-follow and logical manner. Each experiment explores both meaningful and interesting topics:

1- Lesson 1:	Introduction To Robotics
2- Inventory & Parts Identification	
3- Lesson 2:	The Chaney Robotics Lab
4- Experiment 1:	Assembling & Testing the Robot Motor Traction System
5- Experiment 2:	Assembling the Robot Base & Power System
6- Experiment 3:	Assembling & Testing the Relay Control Board
7- Experiment 4:	Robot Forward Motion
8- Experiment 5:	Robot Backward Motion
9- Experiment 6:	Robot Forward Right Turn
10- Experiment 7:	Robot Backward Right Turn
11- Experiment 8:	Robot Hard Right Turn
12- Experiment 9:	Robot Forward Left Turn
13- Experiment 10:	Robot Backward Left Turn
14- Experiment 11:	Robot Hard Left Turn
15- Experiment 12:	Time Controlled Motion I
16- Experiment 13:	Time Controlled Motion II
17- Experiment 14:	Time Controlled Hard Right Turn
18- Experiment 15:	Time Controlled Hard Left Turn
19- Experiment 16:	Explorer I Robot
20- Experiment 17:	Explorer II Robot
21- Experiment 18:	The Unstoppable Robot
22- Experiment 19:	The Independent Minded Robot
23- Experiment 20:	The Night Runner Robot
24- Experiment 21:	The Day Runner Robot
25- Experiment 22:	Infrared (IR) Vision
26- Experiment 23:	The IR-Eye Robot
27- Experiment 24:	Obedient I -IR Remote Controlled Robot
28- Experiment 25:	Obedient II- IR Remote Controlled Robot
29- Experiment 26:	Robot Pet
30- Experiment 27:	IR Obstacle Avoiding Robot I
31- Experiment 28:	IR Obstacle Avoiding Robot II
32- Experiment 29:	Sound Detection (Robot Ears)
33- Experiment 30:	Big Ears Robot
34- Experiment 31:	The Music-Dancer Robot

1N4148 Small Signal Glass Diode

Very popular small glass diode with full length axial leads. These are prime, fully marked units on tape and reel.
G13808 100/$1.00

1N914 Small Signal Glass Diode

Popular small signal glass diode. These are prime, fully marked on tape and reel.
G13807 100/$1.00

FPT 5086 Tiny Photo Diode

Tiny photo diode has clear lens on top and 2 gold plated leads. Sorry, no specs available. Prime- Blowout price!
G14442 4/99¢

R2MLF-A1 Overvoltage Protection Diode

Designed to clamp (breakdown) at 135-150V. Reverse current is 1 Amp. Case is DO-15 with cut and formed PC leads. Prime fully marked.
G14514 Bag of 20 99¢

Rectifier Diodes

Varied VoltageRectifier Diodes

Prime- Each has full lenght leads.

Model#	Volts	Amps	Stock#	Price
IN4001	50V	1A	**G1301**	**25/1.00**
IN4002	100V	1A	**G9345**	**20/1.00**
IN4003	200V	1A	**G9346**	**18/1.00**
IN4004	400V	1A	**G9347**	**15/1.00**
IN4005	600V	1A	**G9348**	**10/1.00**
IN4007	1000V	1A	**G9349**	**5/1.00**
IN5400	50V	3A	**G1024**	**8/1.00**

1SS98 UHF Diode

Small glass diode used in many shortwave radio projects. This UHF diode is prime, color coded with long leads.
G13004 5/$1.00

1N5404G 400V 3Amp Rectifier

Brand new full length leads rectifier is marked 1N5404G. Prime on tape & reel.
G13587 5/$1.00

50V 6Amp Rectifier 6A05G

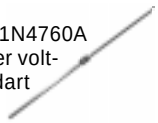
Powerful 6Amp rectifier by Diodes Incorporated. These have full length axial leads and are on tape and reel. Standard P600 package.
G15206 $5/1.00

Super Diode Assortment

Assortment containing over 200 pcs of prime diodes including small signal glass types, rectifiers, zeners, etc. Most are house numbered and many have had their leads cut and formed for PC board mounting. All are 100% prime brand new-not rejects!
G4006 Bag of Over 200 Diodes $2.00

Zener Diodes

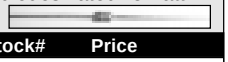
1N4760A 68V Zener Diode



High quality Zener diode type 1N4760A by Motorola features a 68V Zener voltage and a 1Watt rating. Standart D0-416 case .
G15329 4/$1.00

Low Voltage Zener Diodes

Prime fully marked Zener diodes rated .5Watt. Each has full length leads.



Model#	Volts	Stock#	Price
IN5225B	3.0V	**G13454**	**10/$1.00**
IN5227B	3.6V	**G13476**	**10/$1.00**

1N4760A 68V 1Watt Zener Diode

Prime high voltage zener is fully marked with long leads on tape and reel.
G13647 5/$1.00

Bridge Diodes

4 Amp 100V Bridge Rectifier

Inline bridge rectifier is only 0.58"L x 0.19"W x 0.45" Tall. Prime, fully marked.
G13996 2/$1.00

100V 4Amp Inline Bridge Rectifier

Type KBU401 bridge rectifier is rated 100VAC 4Amp. Size is .9" (L) x .26" (W) x .79" (H).
G12991 2/$1.00

Bridge Rectifier Sale

These are prime standard part numbered bridge rectifiers from an electronic distributor which closed. All have full length leads or terminal lugs. Standard full-wave (4 lead) types.

Current	Voltage	MFG#	FIG.	Stock#	Price
1.5Amp	600V	AL156	**1**	**G14517**	**4/$1.00**
1.5Amp	800V	AL158	**1**	**G14518**	**3/$1.00**
1.5Amp	1000V	AL1510	**1**	**G14519**	**2/$1.00**
4Amp	200V	KBU4D	**2**	**G14520**	**$0.79**

Current	Voltage	MFG#	FIG.	Stock#	Price
4Amp	300V	KBU4036	**2**	**G14521**	**$0.85**
4Amp	400V	KBU4G	**2**	**G14522**	**$0.89**
4Amp	600V	KBU4J	**2**	**G14523**	**$0.95**
4Amp	800V	KBU4K	**2**	**G14524**	**$1.00**
6Amp	100V	CP601	**3**	**G14525**	**$0.75**
6Amp	200V	CP602	**3**	**G14526**	**$0.83**
6Amp	400V	CP604	**3**	**G14527**	**$0.93**
6Amp	600V	CP606	**3**	**G14528**	**$1.00**
6Amp	800V	CP608	**3**	**G14529**	**$1.10**
8Amp	50V	CP800	**4**	**G14530**	**$0.65**
8Amp	200V	CP802	**4**	**G14531**	**$0.90**
8Amp	400V	CP804	**4**	**G14532**	**$1.00**
8Amp	600V	CP806	**4**	**G14533**	**$1.25**
8Amp	800V	CP808	**4**	**G14534**	**$1.40**
15Amp	200V	CM1502	**5**	**G14535**	**$1.75**

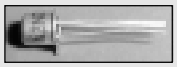
Bridge Rectifier Diodes

MFG#	Type	Current	Voltage	Stock#	Price
WL06	TO5P	1.5A	600V	**G1113**	**$1.00**
S1WB	4Pin Mini Dip	1.0A	50V	**G4446**	**4/$1.00**
BR8O5D	Inline Plastic	2.0A	50V	**G4054**	**4/$1.00**
FPIL60	1.12" Square	40A	600V	**G4589**	**$2.49**

WL02 100V 1.5Amp Bridge Rectifier

Mini plastic case bridge rectifier is about the size of a T05 transistor. Rated 1.5Amp at 100V. Prime long lead units.
G12976 2/$1.00

2N, MPS, & PN Series Transistors



M = Metal

P = Plastic

2N TRANSISTORS

2N706	T018M	G43102	$0.68
2N708	T018M	G43103	$0.25
2N720	T018M	G43105	$0.35
2N956	T018M	G43113	$2.20
2N2219A	T039M	G14961	$0.52
2N2222A	T018M	G43124	$0.25
2N2369	T018M	G43125	$0.50
2N2484	T018M	G14962	$0.54
2N2711	T092P	G14963	$0.48
2N2857	T072M	G14964	$1.75
2N2907A	T018M	G43129	$0.25
2N3013	T018M	G43130	$0.25
2N3251	T018M	G43138	$0.39
2N3391	T092P	G14965	$0.30
2N3414	T092P	G43139	$0.20
2N3415	T092P	G43372	$0.12
2N3417	T092P	G14966	$0.16
2N3440	T039M	G14967	$0.59
2N3468	T05M	G43141	$1.80
2N3501	T05M	G43142	$1.80
2N3511	T018M	G43143	$1.39
2N3564	T018M	G43146	$0.65
2N3638	T0105P	G14968	$0.48
2N3640	T092P	G43149	$0.20
2N3702	T092P	G43373	$0.12
2N3772	T03M	G43150	$1.00
2N3820	T092P	G14969	$0.14
2N3865	T05M	G43152	$1.00
2N3866	T039M	G14970	$1.30
2N3903	T092P	G43153	$0.12
2N3904	T092P	G43154	$0.12
2N3905	T092P	G43374	$0.12
2N3906	T092P	G43155	$0.12
2N4062	T092P	G43157	$0.12
2N4124	T092P	G43158	$0.12
2N4125	T092P	G43159	$0.12
2N4126	T092P	G43160	$0.12
2N4338	T018M	G14971	$0.50
2N4393	T018M	G14972	$1.05
2N4400	T092P	G43375	$0.12
2N4401	T092P	G43161	$0.12
2N4402	T092P	G43376	$0.12
2N4403	T092P	G43162	$0.12
2N4410	T092P	G43377	$0.15
2N4861	T018M	G14973	$0.50
2N4957	T072M	G14974	$1.00
2N5087	T092P	G43168	$0.18
2N5088	T092P	G43169	$0.18
2N5116	T018M	G14975	$1.50
2N5133	T0105P	G14976	$0.50
2N5142	T0105P	G14977	$0.50
2N5208	T092P	G43170	$0.12
2N5210	T092P	G43171	$0.12
2N5222	T092P	G43172	$0.12
2N5228	T092P	G43378	$0.13
2N5245	T092P	G14978	$0.50
2N5320	T05M	G14307	$1.00
2N5354	T092P	G14979	$0.50
2N5401	T092P	G43174	$0.12
2N5550	T092P	G43379	$0.15
2N5551	T092P	G43176	$0.12
2N5638	T092P	G43381	$0.40
2N5769	T092P	G43178	$0.12
2N5770	T092P	G43382	$0.18
2N5771	T092P	G43179	$0.12
2N5772	T092P	G14980	$0.30
2N6039	T0126P	G43182	$1.00
2N6072	T0126P	G43184	$1.00
2N6073	T0126P	G43185	$1.00
2N6426	T092P	G43384	$0.25
2N6517	T092P	G43187	$0.25
2N6520	T092P	G43188	$0.25
2N6718	T0237P	G43190	$0.39
2N6725	T0237P	G14220	$0.33
2N6726	T0237P	G43191	$0.50
2N6727	T092P	G43385	$0.30
2N6730	T092P	G43386	$0.25
2N9114	T018M	G43193	$1.00

MPS TRANSISTORS

MPSL01	T092P	G14981	$0.50
MPSH04	T092P	G43195	$0.25
MPSA05	T092P	G43196	$0.25
MPSD05	T092P	G43197	$0.26
MPSA06	T092P	G43198	$0.12
MPSH10	T092P	G14983	$0.25
MPSH17	T092P	G43199	$0.17
MPSA13	T092P	G14984	$0.25
MPSA14	T092P	G14985	$0.25
MPSA18	T092P	G43200	$0.20
MPSA20	T092P	G43201	$0.20
MPSA28	T092P	G14986	$0.30
MPSA42	T092P	G43204	$0.33
MPSA43	T092P	G14987	$0.45
MPSA44	T092P	G43205	$0.33
MPSU52	102	G43206	$0.50
MPSA55	T092P	G43208	$0.25
MPSA56	T092P	G43209	$0.25
MPSA63	T092P	G43210	$0.12
MPSA64	T092P	G14988	$0.30
MPSA65	T092P	G14989	$0.30
MPSH69	T092P	G43211	$0.25
MPSA70	T092P	G43212	$0.12
MPSA75	T092P	G14990	$0.30
MPSA92	T092P	G43214	$0.25
MPSA94	T092P	G14991	$0.30
MPSW06	T092P	G14982	$0.25
MPSW92	T092P	G43215	$0.35
MPSA93	T092P	G43216	$0.25
MPS404	T092P	G14992	$0.32
MPS650	T092P	G14993	$0.55
MPS651	T092P	G14994	$0.30
MPS750	T092P	G14390	$0.12
MPS751	T092P	G43218	$0.12
MPS2222A	T092P	G43220	$0.15
MPS2369	T092P	G43221	$0.18
MPS2907	T092P	G43222	$0.18
MPS2925	T092P	G43224	$0.16
MPS3403	T092P	G43225	$0.22
MPS3638	T092P	G14995	$0.30
MPS3640	T092P	G43227	$0.38
MPS3646	T092P	G43229	$0.25
MPS3906	T092P	G14996	$0.30
MPS4250	T092P	G43230	$0.25
MPS5161	T092P	G43231	$0.25
MPS6516	T092P	G43235	$0.27
MP6518	T092P	G43236	$0.25
MPS6523	T092P	G43239	$0.12
MPS6560	T092P	G14997	$0.30
MPS6717	T092P	G43245	$0.25

PN TRANSISTORS

PN100	T092P	G43387	$0.18
PN2219	T092P	G43389	$0.28
PN2222	T092P	G43246	$0.18
PN2222A	T092P	G43247	$0.20
PN2907	T092P	G43248	$0.18
PN3563	T092P	G43249	$0.19
PN3568	T092P	G14998	$0.25
PN3638	T092P	G43250	$0.32
PN3644	T092P	G43251	$0.30
PN3645	T092P	G43252	$0.28
PN3646	T092P	G43253	$0.28
PN4122	T092P	G14999	$0.25
PN4220	T092P	G43391	$0.20
PN4258	T092P	G43392	$0.30
PN4356	T092P	G43254	$0.28
PN4391	T092P	G15000	$0.25
PN5134	T092P	G43394	$0.18

Japanese Transistors

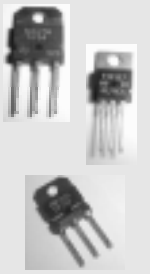
Part#	Case	Stock#	Price
2SG317P	T0220P	G15001	$0.50
2SD29	T092P	G43255	$0.25
2SD325	T0220P	G15002	$0.50
2SC458	T092P	G43257	$0.65
2SD468	T092P	G43258	$1.85
2SK553	T0220P	G43259	$0.85
2SB562C	T0226	G43260	$0.45
2SD612K	T0126	G43261	$0.43
2SB734	T0251AA	G15003	$0.50
2SD774	T0251AA	G15004	$0.35
2SK699	T0126P	G43263	$1.25
2SC717	T092P	G43265	$0.39
2SA719	T092P	G43266	$0.39
2SA733	T092P	G43268	$0.40
2SC733	T092P	G43269	$0.40
2SC838	T092P	G15005	$0.50
2SA844	T092P	G43270	$0.35
2SB858	T0220P	G15006	$1.20
2SC871	T0126	G43271	$1.25
2SB908	T0251AA	G43272	$0.50
2SC945	T092P	G43273	$0.25
2SA949	T0226	G43274	$0.39
2SA950	T092P	G43275	$0.25
2SA999	T092P	G43277	$0.25
2SA1011	T0220P	G15008	$1.20
2SC1000	SOT223	G43278	$0.39
2SB1096	T0220P	G43282	$1.50
2SD1134	TO220P	G15009	$1.80
2SA1232	TO247	G15010	$2.90
2SA1320	T092P	G15011	$0.90
2SB1353	T0-251AA	G15012	$0.75
2SC1473A	T092P	G15013	$1.90
2SD1309	T0126	G15014	$1.25
2SD1878	T0247	G15015	$2.50
2SD2033A	T0-251AA	G15016	$0.75
2SD2133S	T0-251AA	G15017	$0.75
2SC2229	T0226	G15018	$0.22
2SC2603	TO92P	G15019	$0.50
2SC3271	T0251AA	G15020	$0.80
2SD1138	T0220P	G43284	$0.75
2SC1162	T0126	G43285	$1.00
2SC1213	T092P	G43287	$0.35
2SK1221	T0220P	G43288	$3.16
2SD1286	T0251AA	G43292	$0.75
2SA1293	T0220P	G43293	$1.25
2SC1730	T092P	G43297	$0.55
2SC1855	T092P	G43299	$0.25
2SK1924	T0220P	G43301	$1.75
2SC2026	T092P	G43302	$0.85
2SC2061	T0226	G43304	$0.49
2SK2161	T0220P	G43308	$1.63
2SC2236	T0226	G43311	$1.05
2SK2299	T0220P	G43312	$1.15
2SC2320	T092P	G43313	$0.35
2SC2383	T0226	G43314	$0.49
2SC2482	T0226	G43315	$1.00
2SC2500	T0226	G43317	$0.39
2SC2555	T03P	G43318	$1.29
2SC2570	T092P	G43319	$0.25
2SC2682	T0126	G43320	$0.67
2SC3136	T092P	G43323	$0.25
2SC3148	TO220	G43324	$2.06
2SC3271	T0126	G43328	$1.25
2SC3568	T0220	G43330	$1.25
2SC3675	T0220	G43331	$1.15
2SC3688	T03P	G43332	$6.30
2SC3955	T0126	G43334	$0.92

2SC2482 NPN Transistor

High voltage Japanese transistor is rated 300V collector to emitter voltage and 300V collector to base voltage. Power dissipation is 900mW. This transistor is in the TO-92MOD case (a little larger than a regualr T0-92) and has cut and formed leads.
G14667 10/99¢

TIP Series Power Transistors

Part#	Case	Stock#	Price	Part#	Case	Stock#	Price	Part#	Case	Stock#	Price	Part#	Case	Stock#	Price
TIP29	T0220	G43335	$0.57	TIP32A	T0220	G43341	$0.54	TIP41C	T0220	G43351	$0.72	TIP117	T0220	G43362	$0.62
TIP29A	T0220	G43336	$0.57	TIP32C	T0220	G43342	$0.58	TIP42C	T0220	G43352	$0.73	TIP120	T0220	G43363	$0.60
TIP29B	T0220	G15022	$0.55	TIP33A	T0218	G43343	$1.24	TIP48	T0220	G43353	$0.73	TIP121	T0220	G43364	$0.60
TIP29C	T0220	G15023	$0.55	TIP33C	T0218	G43344	$1.26	TIP49	T0220	G43354	$0.62	TIP122	T0220	G43365	$0.62
TIP30	T0220	G43337	$0.57	TIP35	T0-218AC	G15027	$1.10	TIP50	T0220	G43355	$0.80	TIP126	T0220	G43366	$0.60
TIP30C	T0220	G15024	$0.55	TIP35A	T0218	G43346	$1.50	TIP100	T0220	G43356	$0.66	TIP127	T0220	G43367	$0.62
TIP31A	T0220	G15025	$0.50	TIP36	T0-218AC	G15028	$3.50	TIP102	T0220	G43357	$0.70	TIP140	T0218	G43368	$1.44
TIP31B	T0220	G43339	$0.45	TIP36C	T0218	G43347	$1.76	TIP105	T0220	G15030	$0.75	TIP146	T0218	G43369	$1.46
TIP31C	T0220	G43340	$0.58	TIP41	T0220	G43349	$0.69	TIP110	T0220	G43359	$0.58	TIP147	T0218	G43370	$1.50
TIP32	T0220	G15026	$0.50	TIP41A	T0220	G43350	$0.71	TIP111	T0220	G43360	$0.62				
				TIP41B	T0220	G15029	$0.50	TIP115	T0220	G15031	$0.50				



Miscellaneous Power Transistors

High Power T03 Metal Case Transistors

Factory prime fully marked T03 case transistors by top names such as RCA, Motorola, TI, and Central. Check out our blowout pricing on these!

Part #	Figure	Stock #	Price
2N6283	B	G13299	$1.00 ea.
TIPL753A	C	G13300	$1.00 ea.

Motorola 2N3611 T03 Metal Case Power Transistor

Prime metal case power transistor in original sealed styrofoam box by Motorola.
G14357 $2.49 ea.

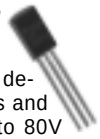
T03 Power Transistor Surprise

Assortment of three metal T03 case power transistors. These are brand new PNP and NPN power transistors that have a house # or are unreadable (rubbed off) number. They are 100% prime, however since they are nonstandard part numbers we are selling them cheap!
G14817 3/99¢

T03 and T066 Case Sizes

Part#	Case	Stock#	Price
2N3584	T066	G13048	$3.52
2N3740	T066	G13051	$1.25
2N3772	T03	G13054	$2.34
2N4232A	T066	G13057	$1.50
2N6296	T03	G13073	$1.29
2N6576	T03	G13076	$2.49

TN 3019A NPN General Purpose Amplifier Transistor



This T0-226 plastic case transistor is designed for general purpose amplifiers and switches with collector voltages up to 80V and collector currents up to 500mA. Full length leads. Made by Fairchild.
G15201 5/$1.00

RCA 3055

Plastic T0220 version of the popular 2N3055 NPN transistor. Prime marked unit at a great price
G8745 2/$1.00

MJE181 NPN Power Transistor

Complimentary silicon power transistor in the TO-225 plastic package. These are rated 3 amp@V_{CEO}=60VDC. Full length leads formed as shown.
G14765 $1.00 ea.

NPN Power Darlington MJH6284

Darlington power Transistor by "ON" Sem conductor can handle 20 amps and 100 volts. Rated 160 watts. Designed for power amplifiers and low speed switching motor control applications. Case is 340D-02. Prime full length leads. Worth over $2.40 each.
G14747 $1.00 ea.

2N6420 T066 Metal Case PNP Power Trasistor

High voltage metal T066 case power trasistor is rated V_{CEO}=175V, I_C=1Amp and power = 35Watt. Prime full lenght leads. Prime –Brand new!
G15331 $1.49 ea.

2N6122 4Amp NPN Transistor

Prime T0-220 case power transistor made by Motorola. Rated 60V @ 40Watts.
G13810 $1.00 ea.

2N6488 NPN 15 Amp Power Transistor

Silicon power transistor in the plastic 221A-09 case. Rated 80V. Made by ST.
G14201 3/$1.00

2N2906A T018 Metal Case PNP Transistor

Metal Case PNP switching transistor made by Motorola.
G14208 4/$1.00

Plastic Case Power Transistors

Type	Case	Stock#	Price
2N5190	T0220	G15035	$1.50
2N5292	T0220	G15036	$0.50
2N6039	T0126	G15037	$0.50
2N6042	T0220	G15038	$1.00
2N6043	TO220	G15039	$0.80
2N6487	T0220	G15040	$0.50
2N6553	T0220	G15041	$0.50
BC337	T092	G15042	$0.10
BD442	T0126	G15043	$0.35
BU406	T0220	G15044	$1.25
J112	T092	G15045	$0.50
J176	T092	G15046	$0.50
MJE171	T0220	G15047	$0.65
MJE350	T0220	G15048	$0.75
MJE800	T1026	G15050	$0.60
MJE3439	T0126	G15051	$0.60
MJE13007	T0220	G15052	$0.80
MJF6388	T0220	G15053	$0.75
MPF960	T092	G15054	$0.25
MPSU57	T0220	G15056	$1.50
NTE294	T092	G15057	$1.50
X40D500	T0220	G15058	$0.80
*formed leads			

PNP High Voltage BF 470 Power Transistor

Plastic TO-126 case power transistor features a VCBO of 250V, a VCEO of 250V and a ICM of 100mA. Prime with full length leads. -Made by Philips.
G14887 99¢ ea.

High Voltage NPN Horizontal Deflection Output Transistor

Type S2055N crosses over to the ST1803DHI, BU4506D, BU4508D, BU2508D and 25D1878 NPN power transistors. These transistors are specifically designed for use in the horizontal deflection output cathode ray tube circuits of TVs and monitors. ISOWATT 218 package.
G4269 $1.59 ea.

2N6491 PNP Silicon Power Transistor

Standard T0-220AB case PNP power transistor is rated 15 amp, 80V and 75watts. Prime full length leads.
G14777 $1.00 ea.

BD242B PNP 80V 3Amp Power Transistor

Prime fully marked T0-220 case power transistor by ST features full length leads and 80V 3Amp power rating.
G13741 3/$1.00

2N5193 PNP Power Transistor

Power transistor in T0-126 case is a PNP 4Amp 40V part. Full length leads.
G15258 99¢ ea.

Voltage Controlled Resistor Fet

Designed for small signal electronic attenuators, filters, amplifier gain control, oscillator amplitude control, etc. Made by Siliconix part #VCR2N, these have been specially designed to be a 3 terminal variable resistor where the resistance value between two of the terminals is controlled by a voltage applied to the third. These are prime, fully marked T018 metal case resistor FETS with a drain-source ON resistance range of 20Ω min. to 60Ω max. Complete with 10 pages containing info, specs, formulae and application notes. Very unique, interesting and useful device!

G4257 2/$1.00

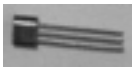
G4257A 100/$40.00

High Voltage Enhancement Mode N-Channel MOSFET Type VN0535

This features a BV_{DSS}=350V, R_{DS}=35 andC_{ISS}=45pf. T092 plastic case with cut and formed leads for PC mounting as shown.

G14069 5/$1.00

ZVNL110A N-Channel Mosfet



Small plastic case (E-line) mosfet is rated BV_{DSS}=100V, I_D= .32A and power =.7W. Full length leads.

G15337 5/$1.00

IRF640 200V 18Amp N-Channel Enhancement Mode TMOS FET

Prime FET in the T0-220 case. Rated 125 watts. Full length leads. Made by IR.

G13812 2/$1.00

BTS112 Power Fet

Popular FET in a T0220 case. These have had their leads cut and formed into the shape shown in the picture, however they are prime marked units.

G4099 2/$1.00

IRFZ24N N-Channel Mosfet

Prime 50 watt N-Channel mosfet by IR. V_{DSS}=60V, $R_{DS(ON)}$=0.10 ohm, I_D=17A. Standard TO-220AB case.

G14743 $1.00 ea.

2N5639 JFET Chopper Transistor

Small T0-92 N Channel Junction Field Effect Transistors (depletion mode Type A) designed for chopper or other high speed applications. Features Low Drain-Source "On" resistance and Low reverse transfer capacitance of 4pF max @ 1MHZ. Prime made by Fairchild. On tape & reel.

G13669 3/$1.00

G13669A 100/$25.00

G13669B 2000/$360.00

J107 N-Channel JFET

High performance JFET analog switches designed for low on-resistance and fast switching. Standard T092 plastic case. Prime marked units by Vishay Siliconix.

G13703 4/$1.00

Power Mosfets/Hexfets Etc.

Type	Case	Stock#	Price
IRFZ34S	D2PAK	G12978	$2.49
IRF9Z30	T0220	G12979	$1.59
IRF540	T0220	G12980	$1.59
IRF720	T0220	G12981	$1.69
IRL530N	T0220	G12985	$2.25
IRL540N	T0220	G12986	$2.49
IRF720	T0220	G15032	$1.00
IRF740	T0220	G15033	$1.40
IRF832	T0220	G15034	$1.50

MPF960 N-Channel Mosfet

Popular N-Channel mosfet transistor in the elongated TO92 case. This is rated 2 amps@60 volts. $R_{DS(ON)}$=0.8Ω. Rated 1Watt total device dissipation. Full length leads.

G14773 2/$1.00

STW18NB40 High Voltage/Power Mosfet

This advanced technology PowerMesh™ mosfet is rated 400V@18.4Amps. Features a TO-247 case and 190 watts@25°C total dissipation. The RDS(on) is extremely low (<0.26Ω), and the drain current is rated a continuous 18.4 Amps @ 25°C. These are used in many high power, high speed switch mode power supplies, DC-AC converters for welding equipment, large uninterruptible power supplies and motor drive circuits. Prime –made by ST Microelectronics.

G14715 99¢ ea.

Prime N-Channel T0220 Case Mosfets

Part#	Volts	Amps	Stock#	Price
IRF621	150V	2.5 Amp	G14793	2/$1.00
IRF642	200V	10 Amp	G14794	$1.00
IRFZ20	50V	15 Amp	G14795	2/$1.00

IRF 630 N-Channel 200V 10Amp MOSFET

Prime MOSFET with full length leads. Plastic T0-220 case, fully marked. Made by IR.

Stock#	Price
G13802	2/$1.00
G13802A	50/$22.00

Motorola 400V 16amp MTW 16N40E Mosfet

Motorola heavy duty N-channel mosfet in a T0-247 plastic package. This has its leads bent over for pc board insertion. Prime fully marked part.

G12997 $1.00 ea.

IRF520 N-Channel Power Mosfet

This N-Channel power mosfet is rated 100V 10Amp. Standard T0220 case. Has full length leads.

G15297 2/$1.00

Triacs / SCRs

2N6400 Silicon Controller Rectifier Amp

Popular reverse blocking thyristor 2N6400 by ON Semiconductor™ features a 50V, 16 amp rating with a peak non-repetative surge current rating of 160 amps. T0-220AB case.

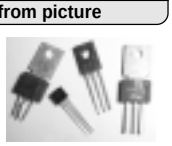
G14778 4/$1.00

PowerTriacs

Part#	Volts	Amps	Stock#	Price
2N6073	400V	4AMP	G4443	$1.00 ea.
2N6400	50V	16AMP	G4445	$1.00 ea.

*Please Note: Case styles may vary from picture

Super SCR Assortment



Assortment of 4 different prime SCRs. Please note: case styles may vary from picture. All are brand new.

G13691 $1.00

TIC2060D 400V 4Amp Triac

Popular 400V 4Amp sensitive gate triac in the plastic T0220 case. Prime units with full length leads.

G15230 2/$1.00

BTA 16-600BW Snubberless Triac

Sensitive gate (50mA) snubberless triac in the T0-220AB insulated case. Rated 600V @ 16Amps. Prime, made by ST. Blowout price!

G14779 $1.00 ea.

Mitsubishi BCR8CM-8LA Triac

Rated 400V @ 8Amps this T0220 case triac is used in many household items such as TV sets, stereos, refridgerators, washing machines, fans, etc. Brand new- Full length leads.

G15276 99¢ ea.

MAC8N T0-220AB 800V 8Amp Triac

High performance triac in a T0-220AB case features I_{TSM}= 80Amps, I_{GT}=35mA and a V_{GT}=1.5V. These are new units made by Motorola with full length leads bent over as shown to allow for horizontal PC board mounting (leads can simply be bent straight if you desire). Blowout price!

G14567 4/$1.49

BCR5AS Medium Power Triac

Small case triac is used in many switching power supplies, light dimmers, electric fans, electric blanket controls, etc. Rated 600V_{DRM}, $IT_{(RMS)}$ 5Amp, I_{FGT} 30mA. MP-3 (D-PAK) case. Brand new on tape & reel. Blowout price!

G14613 3/99¢

TIC106D 400V 5Amp SCR

Sensitive gate SCR type TIC106D is rated 400V @ 5Amp. This is in the standard T0220 plastic package. Full length leads.

G15232 $1.00 ea.

International Rectifier 16RIA80 800V 16Amp Thyristor

Metal case T0-48 Thyristor (phase control type) rated 800V @ 16amps. VGT= 2.0V, IGT+ 60ma and dv/dt= 300v/µs.) Brand new fully marked.

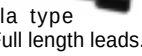
G12765 $4.95 ea.

MCR69-3 100V 25 Amp SCR

Standard T0-220AB case power SCR by "ON" features a 25 amp on-state RMS current rating.

G14280 2/$1.00

MCR100-6 400V .8Amp SCR



Sensitive gae SCR in the T092 plastic package. Made by Motorola type MCR100-6 rated 400V @ .8Amp. Full length leads.

G15253 3/$1.00

Teccor® P3203AA Three Chip SIDACtor® Device

This 3 lead T0-220 plastic case part is used to protect ISDN interface circuits. Unique and simple to use. This device is rated VS=350V, Vt=8V, Idrm=5µA and It=2.2A. See Teccor website for complete specs. Blowout price.

G14070 3/99¢